

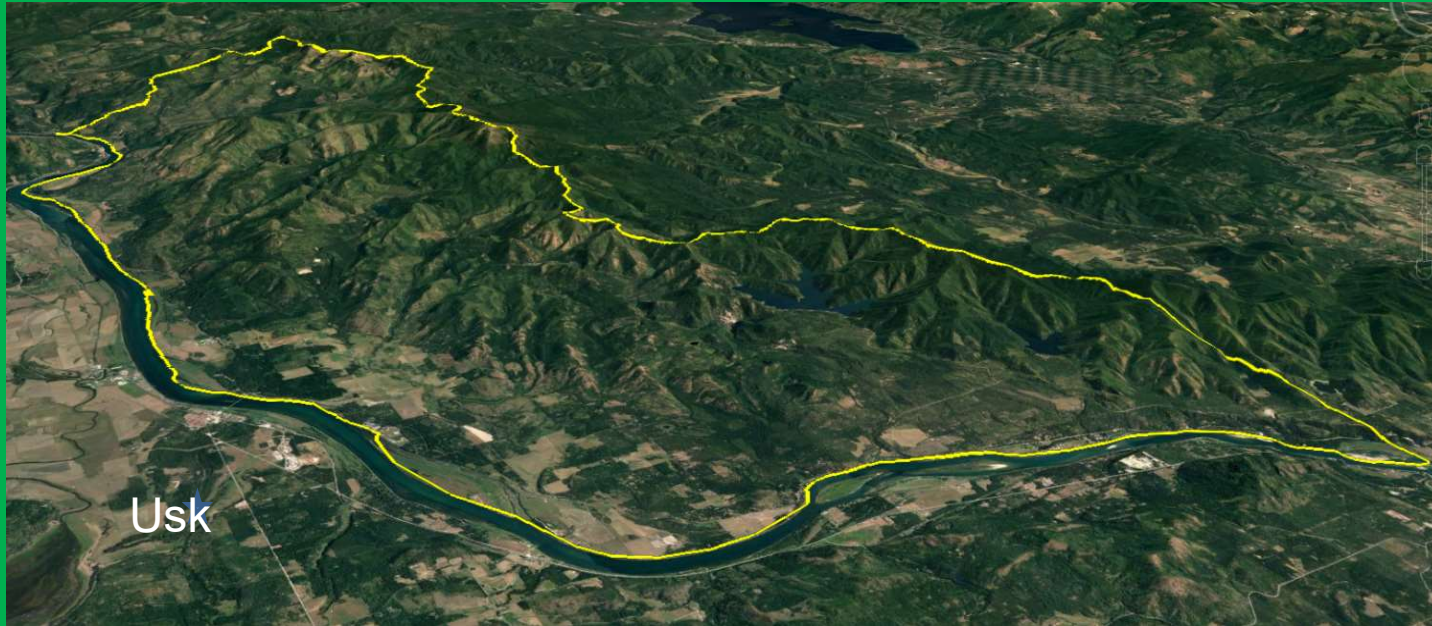


WHY HAVE SILVICULTURE ON THE LANDSCAPE?

"The historical range of variability for forest structure is the desired condition"
(CNF Land Management Plan)



Trail Project Area



Usk

October, 2020
Sam Steinshouer-WADNR
Katharine Napier-USFS
Tim Larkoski-Kalispel Tribe

Why have these forests changed?

- Past management activities
- Fire suppression for over 100 years
- Now larger, more intense wildfires
- Insect and disease

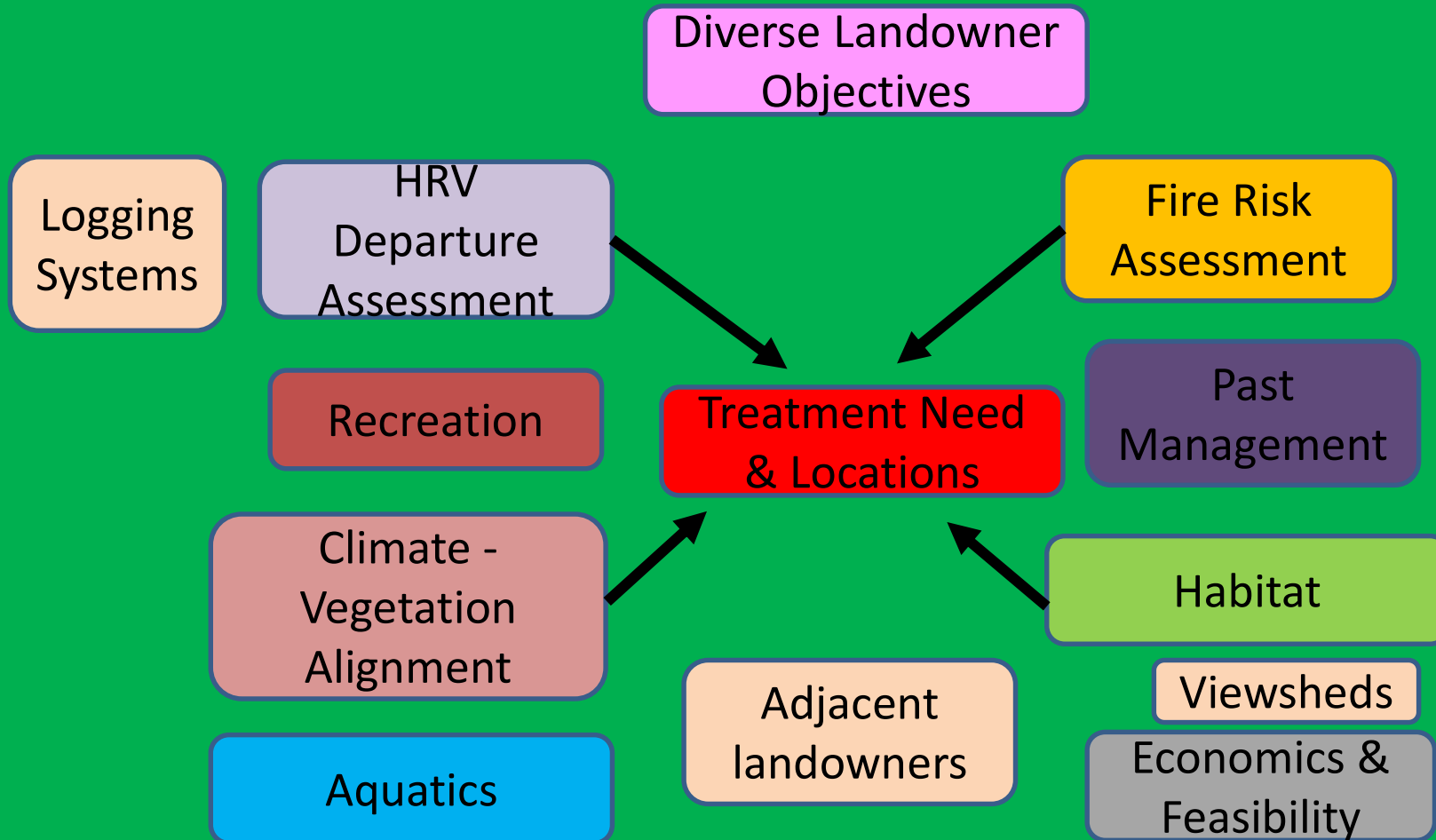
What do we have now?

- Denser forests outside their historic range of variability
- Shade-tolerant trees less resistant to fire
- Stands impacted by root rot (*87% sampled stands*)

Why have Veg Treatments?

- Trend the forests towards HRV
- Improve forest resiliency
- Address forest health
- Reestablish appropriate fire regimes for the forest type

Prescription Development and Considerations

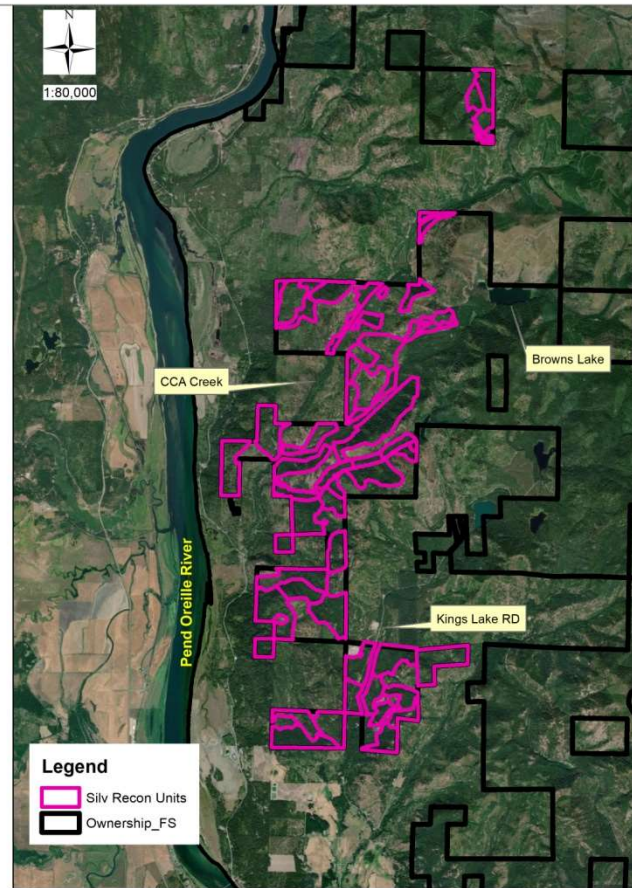


SILVICULTURE RECONNAISSANCE COMPLETED SUMMER OF 2020

Lower Reaches of CCA, Browns and Skookum Creeks

- *3,989 Acres completed*
- *1,086 Acres prescribed as commercial thin*
- *920 Acres prescribed as commercial thin/group selection*
- *136 Acres prescribed as shelterwood*
- *1,847 Acres with other resource objectives or inoperable*
- *59 forest health prescriptions prepared*
- *82% of the prescribed forest health prescriptions encountered root rot*
- *Overstocking, root rot, mistletoe, heavy encroachment of shade tolerant species and WPB major forest health issues*

SILVICULTURAL RECONNAISSANCE-SUMMER 2020



Overstocked

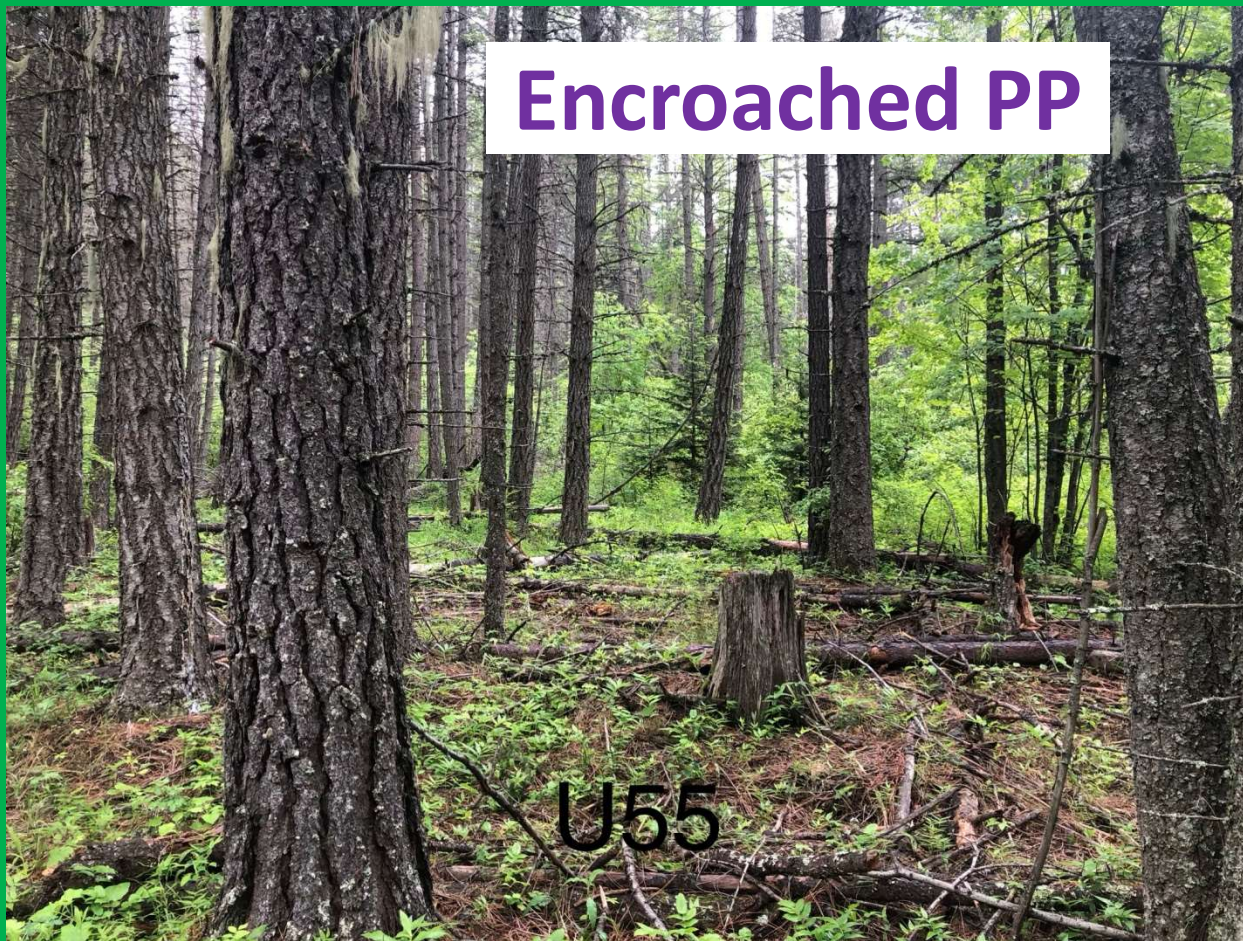


GF Encroachment



Encroached PP

U55



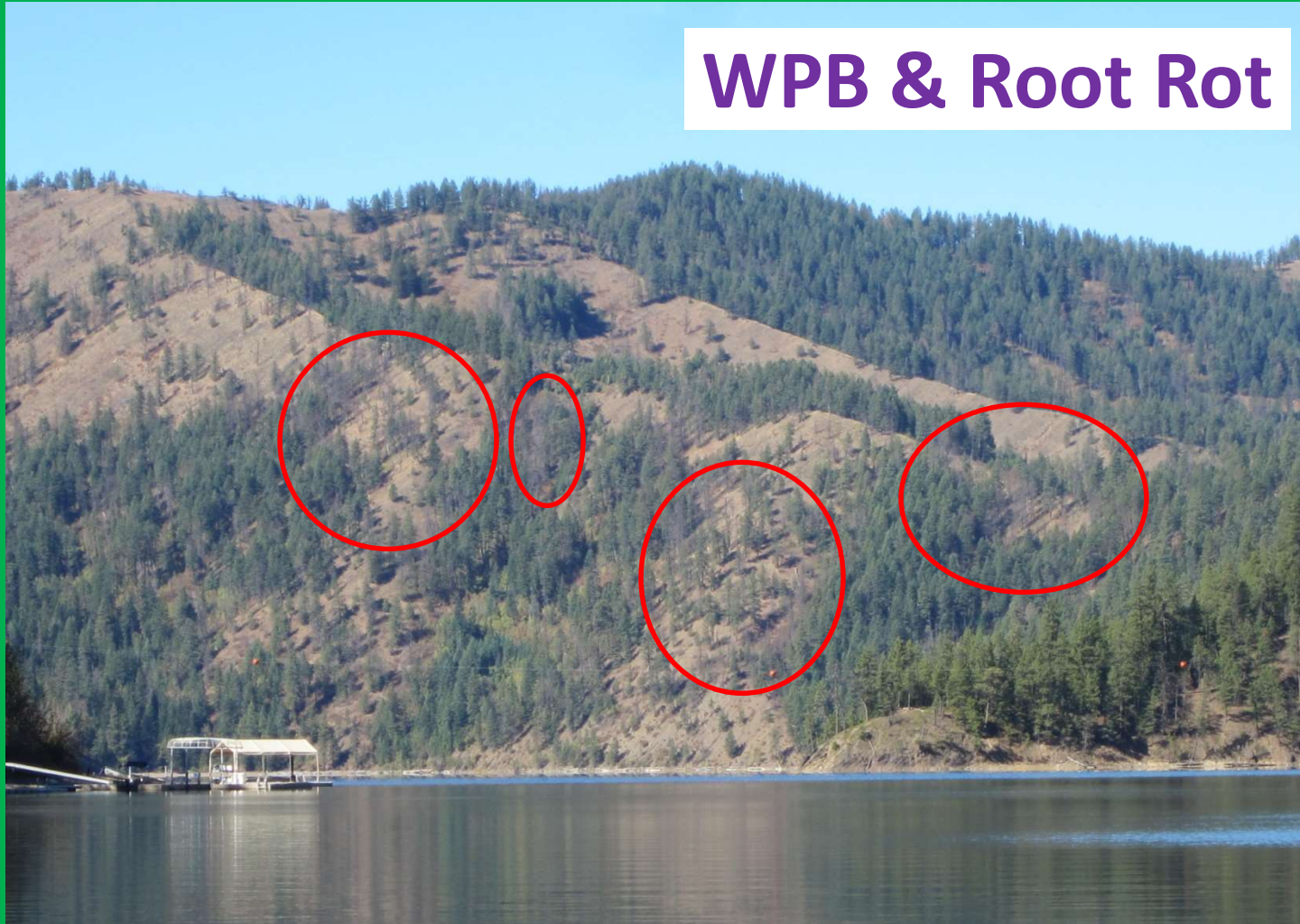
Armillaria



Root Rot Pocket



WPB & Root Rot



Late Closed Structure by Veg Type

126 Late Closed Areas were mapped, approximately 2,700 acres, within Trail
Designed Sample was completed summer 2020

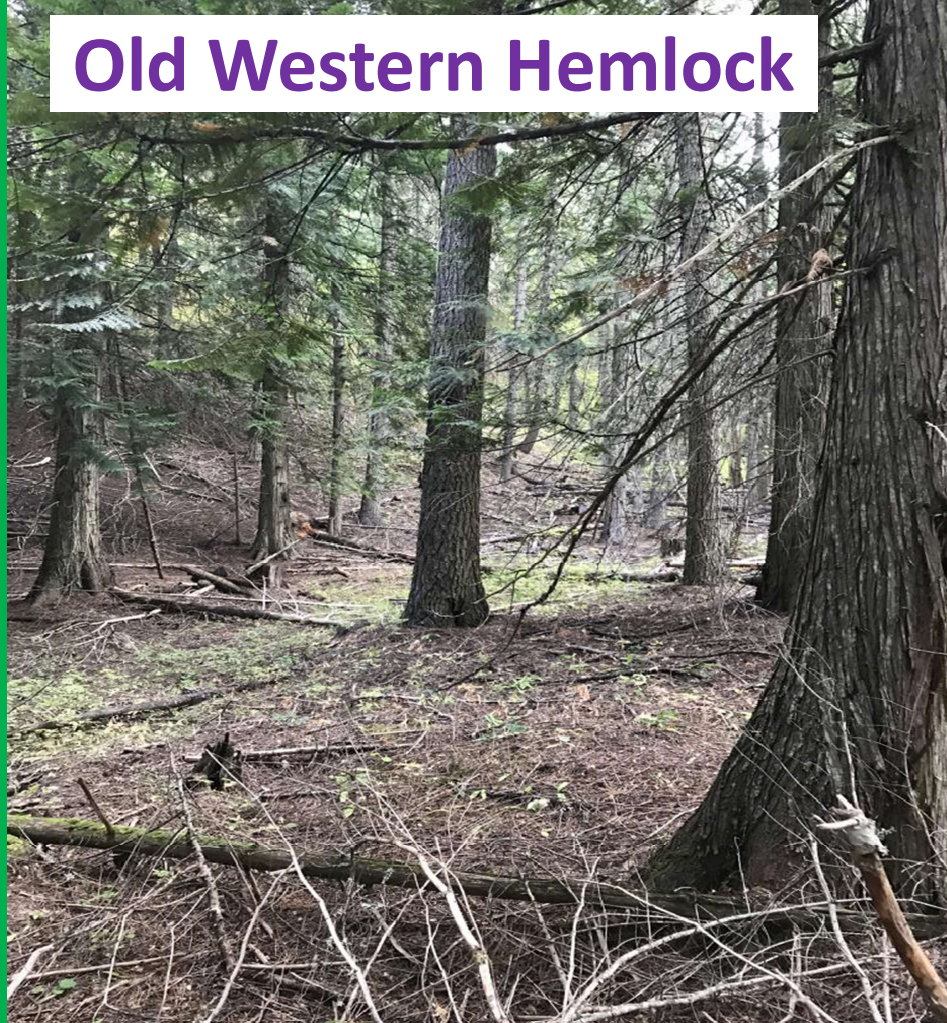
Findings:

- Douglas fir—256 years old, 27" DBH
- Western hemlock—517 years old, 35" DBH
- Red cedar—355 years old, 44" DBH
- Grand fir—269 years old, 36" DBH
- Western larch—156 years old, 22" DBH

On the "flip side":

- Western hemlock—63 years old, 21" DBH
- Western hemlock—158 years old, 12" DBH
- Red cedar—85 years old, 6" DBH
- Grand fir—113 years old, 10" DBH

Old Western Hemlock



Past & Present



Fewer Trees, Resilient Species



Wildlife Picture

